

Claims

1. Composite pane having a film laminate which adhesively  
5 connects two rigid panes to one another to form a pane  
assembly and comprises at least one coloured adhesive film  
and at least one uncoloured adhesive film which can be fused  
on during production of the pane assembly, **characterized in**  
10 **that** at least one intermediate layer is provided between the  
two differently coloured fused-on adhesive films and results  
in a uniform flattening of the mutually facing surfaces of  
the two adhesive films while being fused on.
2. Composite pane according to Claim 1, **characterized in**  
15 **that** the value of the transmission of the visible light of  
the coloured adhesive film in the finished product is  
between 1 and 85%.
3. Composite pane according to Claim 1 or 2,  
20 **characterized in that** the intermediate layer is formed by  
a PET film with a thickness of between 10 and 100  $\mu\text{m}$ .
4. Composite pane according to Claim 1 or 2,  
25 **characterized in that** the intermediate layer is formed by  
a metal-free film which reflects infrared waves, of the  
3M<sup>®</sup>SRF type.
5. Composite pane according to Claim 1 or 2,  
30 **characterized in that** the intermediate layer is formed by  
a further rigid pane composed of glass or plastic.
6. Composite pane according to one of the preceding  
claims, **characterized in that** the two adhesive films each  
have a thickness of between 0.2 and 1.1 mm, preferably  
35 between 0.38 and 0.76 mm.
7. Composite pane according to Claim 6, **characterized in**  
**that** at least one of the adhesive films is composed of  
polyvinylbutyral.

8. Composite pane according to Claim 6, **characterized in that** at least one of the adhesive films is composed of a thermoplastic without any softener, in particular ethylene vinyl acetate (EVA).

9. Composite pane according to Claim 6, **characterized in that** at least one of the adhesive films is composed of polymethylmethacrylate (PMMA).

10. Composite pane according to one of the preceding claims, **characterized in that** the intermediate layer is self-coloured.

11. Composite pane according to Claim 10, **characterized in that** the colour tone of the intermediate layer, together with the colour tone of the coloured adhesive layer results in a transparent colour which is changed solely in terms of the colour of the adhesive film.